

5      Claims

I claim:

- 10      1.      A monitoring and alert system that monitors location with respect to pre-determined geographical boundaries, and to alert should the person being monitored stray beyond those selected boundaries, said monitoring and alert system comprising:
- a remote central monitoring station,
- a wrist device having a watch face and watch band,
- communication link means for interfacing the remote central monitoring station
- 15      with the wrist device,
- wherein the remote central monitoring system further comprising a distance display means, a set distance means, a paging button means, a digital watch display means, an indicator means, and a signal means,
- wherein the wrist device further comprising a distance display means, a direction
- 20      locator means, a paging button means, a digital watch display means, an indicator means, and a signal means,
- wherein the remote central monitoring station including means to continuously monitor distance between the remote central monitoring station and the wrist device.
- 25      2.      The monitoring and alert system as recited in Claim 1, wherein the remote central monitoring station is typically located in the user's home, and the wrist device is worn by the person to be monitored.
- 30      3.      A monitoring and alert system that monitors location and alerts based on signals outside parameters comprising:
- a programable monitoring station including an antenna receiving a signal
- indicating a distance to a portable device,
- a communication link interfacing the programable monitoring station with the portable device,
- wherein the programable monitoring station includes a distance display, a direction display and a monitor alarm, wherein said monitoring station monitors the
- 35      distance from said monitoring station to said portable device and generates an alarm

5 signal upon said distance exceeding a set parameter indicating distance.

4. The monitoring and alert system as recited in Claim 3, wherein said portable device is worn on a wrist of a person whose location is to be monitored.

5. The monitoring and alert system as recited in Claim 3, wherein a GPS device in said portable device transmits a signal indicating said distance and a direction  
10 from said monitoring station to said portable device.

6. The monitoring and alert system as recited in Claim 3, wherein said portable device includes a link indicator that senses a radio link exists between said monitoring station and said portable device and said link indicator will send an alarm signal to an alarm in said portable device if said radio link is broken.

7. The monitoring and alert system as recited in Claim 6, wherein the GPS device sends a signal indicating a position of said portable device if said radio link is broken.

8. The monitoring and alert system as recited in Claim 7, wherein said alarm in said portable device includes at least one alarm from set including a visual, physical  
20 and sound alarm.

9. A monitoring and alert system that monitors location and alerts based on signals outside parameters comprising:

a monitoring station including an antenna receiving a radio signal indicating a distance to a portable device,

25 a radio communication link interfacing the monitoring system with the portable device,

wherein the monitoring station includes a distance display, a direction display and a monitor alarm,

wherein said monitoring station monitors the distance from said monitoring station to said portable device and generates a monitoring station alarm signal upon  
30 said distance and direction being outside a set parameter.

10. The monitoring and alert system as recited in Claim 9, wherein a GPS device in said portable device transmits a signal indicating said distance and a direction from said monitoring station when said communication link is broken.

35 11. The monitoring and alert system as recited in Claim 9, wherein said

5 portable device includes a link indicator that senses a radio link exists between said  
monitoring station and said portable device and said link indicator will send a portable  
device alarm signal to an alarm in said portable device if said radio link is broken and  
wherein said alarm signal will trigger a GPS device in said portable device.

10 12. The monitoring and alert system as recited in Claim 11, wherein said  
portable device is positioned on a person to be monitored and includes a lock to  
prevent the portable device from being removed from said person.

15 13. The monitoring and alert system as recited in Claim 12, wherein said  
monitoring station includes a clock and wherein said monitoring station prints time  
referenced locations of said GPS device once said alarm signal is sent.

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